

Musical Instrument Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



CONTENTS

Introduction to the Economic Census	v
Manufacturing	ix

Tables

1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002	5
6a. Products Statistics: 2002 and 1997	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	8
7. Materials Consumed by Kind: 2002 and 1997.....	9

Appendixes

A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997	F-1

-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
339992, Musical instrument manufacturing	2002..	559	585	14 738	469 862	11 675	24 053	316 243	1 226 864	602 293	1 813 812	137 964
	2001..	N	N	15 732	477 338	12 555	24 183	325 650	1 171 554	635 886	1 777 426	39 997
	2000..	N	N	15 167	455 441	12 128	23 541	306 848	1 115 981	696 517	1 767 277	37 948
	1999..	N	N	14 446	413 311	11 507	22 239	278 370	1 000 190	660 645	1 648 115	73 400
	1998..	N	N	13 587	403 839	11 061	22 492	269 175	846 695	498 811	1 321 516	57 183
	1997..	552	574	13 249	357 842	10 810	21 900	243 531	836 529	483 633	1 324 529	34 565

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
339992, Musical instrument manufacturing												
United States	—	585	122	14 738	469 862	11 675	24 053	316 243	1 226 864	602 293	1 813 812	'37 964
Arizona	1	9	1	162	3 263	144	236	2 239	16 396	3 031	11 352	'216
California	—	89	21	2 996	89 876	2 167	5 016	51 238	330 170	135 059	471 052	'9 325
Connecticut	—	7	3	165	5 172	137	245	3 780	8 978	5 151	13 893	'231
Maryland	—	13	2	229	8 911	188	374	6 604	20 732	8 454	28 293	'396
Massachusetts	1	27	7	517	21 018	395	951	13 726	60 707	20 804	81 544	'1 376
Michigan	1	16	5	440	15 960	365	699	11 618	29 373	31 630	59 926	'738
Minnesota	4	20	1	111	2 919	81	176	1 860	3 829	2 078	6 032	'123
New York	—	51	8	1 742	58 801	1 423	2 727	38 218	124 930	49 712	172 179	'4 035
North Carolina	—	20	2	134	3 754	102	206	2 461	16 434	15 143	32 041	'185
Ohio	—	23	8	670	21 846	573	1 199	16 889	62 331	18 850	68 969	'1 250
Oregon	—	18	2	238	8 734	147	223	2 885	17 276	7 952	24 817	'490
Pennsylvania	—	20	7	1 372	49 927	1 054	2 022	34 218	100 963	49 421	149 759	'6 557
Texas	4	25	1	156	4 704	127	336	3 310	8 866	6 175	14 990	'377
Washington	3	21	4	282	8 225	215	513	5 589	19 176	10 172	28 855	'1 233
Wisconsin	1	16	4	559	15 453	457	873	12 355	31 120	13 846	48 356	'1 008

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
339992, Musical instrument manufacturing	
Companies ¹	number.. 559
All establishments ²	number.. 585
Establishments with 1 to 19 employees	number.. 463
Establishments with 20 to 99 employees	number.. 85
Establishments with 100 employees or more	number.. 37
All employees ³	number.. 14 738
Total compensation	\$1,000.. 580 378
Annual payroll	\$1,000.. 469 862
Total fringe benefits	\$1,000.. 110 516
Production workers, average for year	number.. 11 675
Production workers on March 12	number.. 11 769
Production workers on May 12	number.. 11 706
Production workers on August 12	number.. 11 607
Production workers on November 12	number.. 11 600
Production worker hours	1,000.. 24 053
Production worker wages	\$1,000.. 316 243
Total cost of materials	\$1,000.. 602 293
Materials, parts, containers, packaging, etc., used	\$1,000.. 524 637
Resales	\$1,000.. 47 515
Purchased fuels	\$1,000.. 4 295
Purchased electricity	\$1,000.. 12 763
Contract work	\$1,000.. 13 083
Quantity of electricity purchased for heat and power	1,000 kWh.. 168 347
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 1 813 812
Primary products value of shipments	\$1,000.. 1 709 164
Secondary products value of shipments	\$1,000.. 22 661
Total miscellaneous receipts	\$1,000.. 81 987
Value of resales	\$1,000.. 67 804
Contract receipts	\$1,000.. 3 042
Other miscellaneous receipts	\$1,000.. 11 141
Primary products specialization ratio	percent.. 99
Value of primary products shipments made in all industries	\$1,000.. 1 718 179
Value of primary products shipments made in this industry	\$1,000.. 1 709 164
Value of primary products shipments made in other industries	\$1,000.. 9 015
Coverage ratio	percent.. 99
Value added	\$1,000.. 1 226 864
Total inventories, beginning of year	\$1,000.. 463 772
Finished goods inventories	\$1,000.. 171 707
Work-in-process inventories	\$1,000.. 103 086
Materials and supplies inventories	\$1,000.. 188 979
Total inventories, end of year	\$1,000.. 480 715
Finished goods inventories	\$1,000.. 182 045
Work-in-process inventories	\$1,000.. 108 093
Materials and supplies inventories	\$1,000.. 190 577
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '536 658
Total capital expenditures (new and used)	\$1,000.. '37 964
Buildings and other structures (new and used)	\$1,000.. '7 509
Machinery and equipment (new and used)	\$1,000.. '30 455
Automobiles, trucks, etc., for highway use	\$1,000.. '1 422
Computers and peripheral data processing equipment	\$1,000.. '4 382
All other expenditures for machinery and equipment	\$1,000.. '24 651
Total retirements	\$1,000.. '12 271
Gross value of depreciable assets at end of year	\$1,000.. '562 351
Depreciation charges during year	\$1,000.. '37 167
Total rental payments	\$1,000.. 23 870
Buildings and other structures	\$1,000.. 17 503
Machinery and equipment	\$1,000.. 6 367
Total other expenses ⁴	\$1,000.. 149 093
Response coverage ratio ⁵	percent.. 71
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 6 573
Communications services ⁴	\$1,000.. 2 014
Legal services ⁴	\$1,000.. 1 900
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 493
Advertising and promotional services ⁴	\$1,000.. 20 515
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 216
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 1 272
Management consulting and administrative services ⁴	\$1,000.. 1 934
Taxes and license fees ⁴	\$1,000.. 4 997
All other expenses ⁴	\$1,000.. 107 179

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
339992, Musical instrument manufacturing											
All establishments	—	585	14 738	469 862	11 675	24 053	316 243	1 226 864	602 293	1 813 812	'37 964
Establishments with—											
1 to 4 employees	9	329	593	17 814	461	868	11 890	37 670	20 349	57 921	'823
5 to 9 employees	3	82	553	17 429	429	1 041	12 248	36 751	20 304	55 194	'1 726
10 to 19 employees	1	52	716	19 521	567	1 222	12 749	32 925	20 969	53 871	'1 049
20 to 49 employees	1	59	1 762	54 777	1 392	3 420	35 532	143 090	106 186	251 864	'4 239
50 to 99 employees	1	26	1 841	56 211	1 414	2 771	34 446	133 661	80 354	213 911	'2 670
100 to 249 employees	—	23	3 403	114 625	2 683	5 442	75 956	255 905	132 961	385 510	'7 921
250 to 499 employees	—	10	3 344	96 118	2 728	4 895	69 597	277 971	141 015	404 507	'9 491
500 to 999 employees	—	4	2 526	93 367	2 001	4 394	63 825	308 891	80 155	391 034	'10 045
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	309	547	16 248	430	796	10 962	33 968	18 578	52 534	'770

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
339992	Musical instrument manufacturing	585	14 738	469 862	11 675	24 053	316 243	1 226 864	602 293	1 813 812	'37 964
3399921	Nonelectronic pianos	9	1 410	48 381	1 154	2 263	33 932	112 279	94 883	203 796	'4 020
3399923	Organs	51	1 397	43 545	1 089	2 225	28 403	78 798	51 167	127 775	'2 803
3399925	Nonelectronic piano and organ parts, excluding benches	7	656	17 007	547	1 209	11 653	30 718	22 157	52 170	'733
3399927	Other musical instruments and parts	173	10 483	337 582	8 264	17 166	226 490	958 319	409 235	1 358 491	'29 382

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
339992	Musical instrument manufacturing	2002.. N 1997.. N	X X	X X	1 718 179 1 278 707
3399921	Nonelectronic pianos	2002.. N 1997.. N	X X	X X	173 794 189 926
33999211	Nonelectronic pianos	2002.. N 1997.. N	X X	X X	173 794 189 926
3399921106	Nonelectronic grand pianos	2002.. 6 1997.. 4	X X	X X	81 570 D
3399921101	Other nonelectronic pianos, including console, upright, and vertical pianos	2002.. 7 1997.. 9	X X	X X	92 224 D
3399921Y	Nonelectronic pianos, nsk	2002.. N 1997.. N	X X	X X	— D
3399921YVV	Nonelectronic pianos, nsk	2002.. N 1997.. N	X X	X X	— D
3399923	Organs	2002.. N 1997.. N	X X	X X	105 608 89 037
33999231	Organs	2002.. N 1997.. N	X X	X X	104 209 86 390
3399923101	Pipe and reed organs	2002.. 46 1997.. 37	X X	X X	55 042 33 579
3399923106	Other organs, including electronic organs	2002.. 7 1997.. 8	X X	X X	49 167 52 811
3399923Y	Organs, nsk	2002.. N 1997.. N	X X	X X	1 399 2 647
3399923YVV	Organs, nsk	2002.. N 1997.. N	X X	X X	1 399 2 647
3399925	Nonelectronic piano and organ parts, excluding benches	2002.. N 1997.. N	X X	X X	49 941 59 300
33999251	Nonelectronic piano and organ parts, excluding benches	2002.. N 1997.. N	X X	X X	49 941 58 630
3399925101	Nonelectronic piano parts, including actions, attachments, strings, and tuning pins (excluding benches)	2002.. 4 1997.. 7	X X	X X	36 557 29 364
3399925106	Organ parts, including electronic organ parts (excluding benches)	2002.. 9 1997.. 13	X X	X X	13 384 29 266
3399925Y	Nonelectronic piano and organ parts, excluding benches, nsk	2002.. N 1997.. N	X X	X X	— 670
3399925YVV	Nonelectronic piano and organ parts, excluding benches, nsk	2002.. N 1997.. N	X X	X X	— 670
3399927	Other musical instruments and parts	2002.. N 1997.. N	X X	X X	1 321 148 834 262
33999271	Other electronic musical instruments, including electronic pianos and synthesizers (excluding electronic organs)	2002.. N 1997.. N	X X	X X	175 830 74 974
3399927116	Other electronic musical instruments, including electronic pianos and synthesizers (excluding electronic organs)	2002.. 24 1997.. 24	X X	X X	175 830 74 974
33999272	Other nonelectronic musical instruments	2002.. N 1997.. N	X X	X X	761 719 494 995
3399927201	Nonelectronic woodwind musical instruments, including bassoons, clarinets, English horns, flutes, oboes, pan flutes, piccolos, recorders, and saxophones	2002.. 17 1997.. 13	X X	X X	156 391 126 411
3399927206	Nonelectronic brass wind musical instruments, including cornets, French horns, trombones, trumpets, and tubas	2002.. 11 1997.. 10	X X	X X	116 183 96 733
3399927211	Nonelectronic string and fretted musical instruments, including banjos, basses, cellos, harps, harpsichords, guitars, violas, and violins	2002.. 45 1997.. 23	X X	X X	349 626 163 508
3399927221	Nonelectronic percussion musical instruments, including cymbals, drums, timpani, and vibraphones	2002.. 16 1997.. 13	X X	X X	103 892 95 793
3399927226	Other nonelectronic musical instruments, including accordions, bagpipes, and harmonicas	2002.. 8 1997.. 13	X X	X X	35 627 12 550
33999273	Other musical instrument parts and accessories, sold separately, including mouthpieces, music stands, and strings (except strings for nonelectronic pianos), excluding benches and instrument cases	2002.. N 1997.. N	X X	X X	357 661 208 205
3399927331	Other musical instrument parts and accessories, sold separately, including mouthpieces, music stands, and strings (except strings for nonelectronic pianos), excluding benches and instrument cases	2002.. 75 1997.. 52	X X	X X	357 661 208 205
3399927Y	Other musical instruments and parts, nsk	2002.. N 1997.. N	X X	X X	25 938 56 088
3399927YVV	Other musical instruments and parts, nsk	2002.. N 1997.. N	X X	X X	25 938 56 088
339992W	Musical instrument manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	67 688 106 182
339992WY	Musical instrument manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	67 688 106 182
339992WYWW	Musical instrument manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	18 830 65 145
339992WYWY	Musical instrument manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	48 858 41 037

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3399921	Nonelectronic pianos	
	United States 2002 ..	173 794
	..... 1997 ..	189 926
3399923	Organs	
	United States 2002 ..	105 608
	..... 1997 ..	89 037
	California 2002 ..	2 782
	..... 1997 ..	N
	Massachusetts 2002 ..	8 323
	..... 1997 ..	3 452
	Ohio 2002 ..	13 838
	..... 1997 ..	7 277
	Texas 2002 ..	2 015
	..... 1997 ..	N
3399925	Nonelectronic piano and organ parts, excluding benches	
	United States 2002 ..	49 941
	..... 1997 ..	59 300
3399927	Other musical instruments and parts	
	United States 2002 ..	1 321 148
	..... 1997 ..	834 262
	Arizona 2002 ..	10 002
	..... 1997 ..	N
	California 2002 ..	445 670
	..... 1997 ..	191 593
	Massachusetts 2002 ..	66 741
	..... 1997 ..	38 806
	Michigan 2002 ..	54 941
	..... 1997 ..	N
	New York 2002 ..	81 634
	..... 1997 ..	64 912
	North Carolina 2002 ..	13 253
	..... 1997 ..	7 298
	Oregon 2002 ..	7 283
	..... 1997 ..	N
	Pennsylvania 2002 ..	105 338
	..... 1997 ..	73 454
	Texas 2002 ..	7 802
	..... 1997 ..	N
	Washington 2002 ..	22 808
	..... 1997 ..	8 460

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
339992	Musical instrument manufacturing		
00900001	Total materials .....2002..	X	524 637
	.....1997..	X	403 768
32100019	Rough and dressed lumber .....2002..	X	78 595
	.....1997..	X	62 565
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	11 340
	.....1997..	X	13 667
001900B4	Electronic components and accessories (including circuit boards and recording heads) .....2002..	X	45 743
	.....1997..	X	33 649
33999200	Musical instruments parts (including actions, strings, mouthpieces, etc.) .....2002..	X	132 127
	.....1997..	X	100 119
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	184 549
	.....1997..	X	138 950
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	72 283
	.....1997..	X	54 818

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.